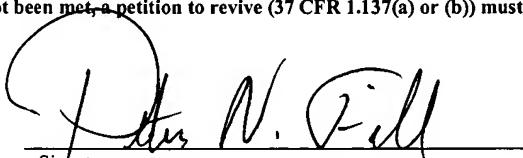


FORM PTO-1390 (REV 12-2004)		ATTORNEY DOCKET NUMBER 4208-4225
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.51) <b>10/517965</b>
INTERNATIONAL APPLICATION PCT/IB2002/002500	INTERNATIONAL FILING DATE 28 June 2002	PRIORITY DATE CLAIMED
TITLE OF INVENTION APPROXIMATING CELL GEOMETRY IN A CELLULAR TRANSMISSION SYSTEM		
APPLICANT(S) FOR DO/EO/US Rod Walsh and Juha-Pekka Luoma		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected. (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input type="checkbox"/> An English language translation of the International application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or Information:  PCT application as published (showing application as filed); International Search Report; and a Form PTO-1449 together with copies of the cited references.</p>		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.51) <b>10/517965</b>		INTERNATIONAL APPLICATION NO. PCT/IB2002/002500		ATTORNEY'S DOCKET NO. 4208-4225	
21. The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee		\$300.00		\$ 300.00	
<input checked="" type="checkbox"/> b) Examination fee		\$200.00		\$ 200.00	
<input checked="" type="checkbox"/> c) Search fee		\$500.00		\$ 500.00	
<b>TOTAL OF ABOVE CALCULATIONS = \$1,000.00</b>				\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. \$0.00					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
24 - 100 =	0/50 =	0	x \$250.00	\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). \$0.00					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	29 - 20 =	9	x \$50.00	\$450.00	
Independent claims	5 - 3 =	2	x \$200.00	\$400.00	
<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>				\$0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,850.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. \$					
<b>SUBTOTAL = \$1,850.00</b>					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). + \$0.00					
<b>TOTAL NATIONAL FEE = \$1,850.00</b>					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$0.00					
<b>TOTAL FEES ENCLOSED = \$1,850.00</b>					
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$1,850.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>13-4500</u> in the amount of \$ _____ to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-4500</u> Order No. <u>4208-4225</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>					
<p>SEND ALL CORRESPONDENCE TO:</p> <p>Morgan &amp; Finnegan, L.L.P. 3 World Financial Center New York, NY 10281-2101</p> <p> Signature</p> <p>Peter N. Fill Name</p> <p><u>38.876</u> REGISTRATION NUMBER</p>					

IN THE UNITED STATES

RECEIVING OFFICE (RO/US)  
 DESIGNATED OFFICE (DO/US)  
 ELECTED OFFICE (EO/US)

INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED  
 PCT/IB2002/002500 28 June 2002

## TITLE OF INVENTION

APPROXIMATING CELL GEOMETRY IN A CELLULAR TRANSMISSION SYSTEM

## APPLICANT(S)

Rod Walsh and Juha-Pekka Luoma

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Attention: DO/EO/US

**VERIFIED CERTIFICATION OF EXPRESS MAILING DATE  
 (INTERNATIONAL APPLICATION (37 CFR 1.10(c))**

I declare that on December 14, 2004 I deposited with the United States Postal Service in an envelope "Express Mail, Post Office to Addressee", bearing Label Number EV 460 047 465 US, addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Attention DO/EO/US and having an express mail certification which I executed, the following papers:

1. Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing under 35 USC 371 - 2 pages (in dup)
2. PCT application as published with search report- WO 2004/004397 A1 - 28 pages
3. Preliminary Amendment - 7 pages
4. Information Disclosure Statement - 3 pages (in duplicate)
5. PTO-1449 Form with copies of the cited references
6. Check for \$1,850.00 (filing fees)
7. Postcard for Receipt Acknowledgement

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Albert Isles

(Typed or printed name of person making this verified statement)

December 14, 2004

Date

(Signature of person making this verified statement)

(Verified Certification of Express Mailing Date (International Application) [13-12])